IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole

Plug removal necessary for fuse replacement



Typ 5220, Fuseholder 2-pole
Screw-On Version



Typ 5220, Fuseholder 2-pole
Snap-In Version

C14

70° C

Description

- Panel Mount:
  Snap-in or screw-on mounting from front side
- 3 Functions:
  Appliance Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm
  2-pole, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 101307
- UL File Number: E72928

Characteristics

- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

References

Alternative: version without line filter 6220
Alternative: Standard version

Weblinks

pdf-datasheet, html-datasheet, General Product Information, RoHS, CHINA-RoHS, REACH, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

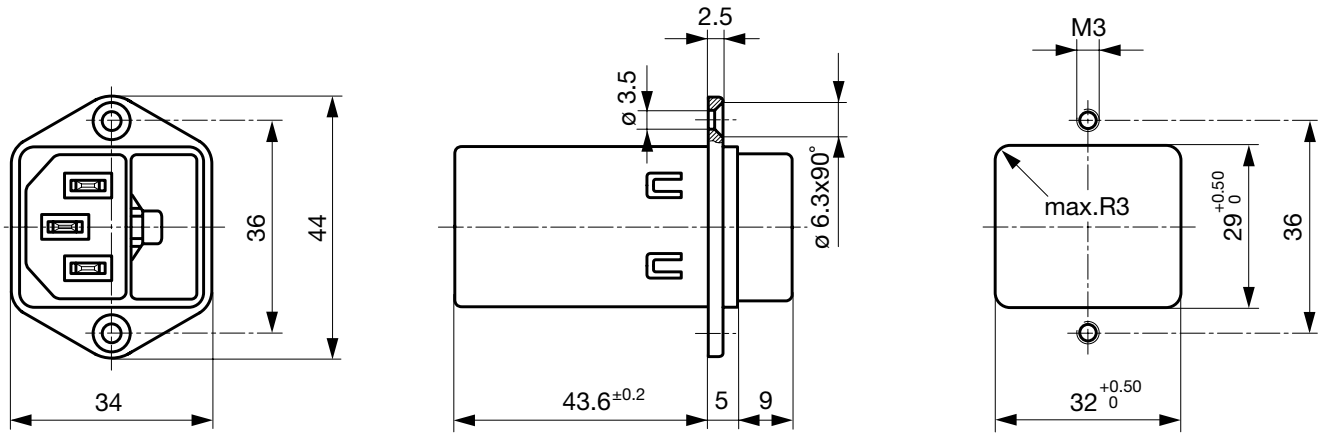
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 0.8 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

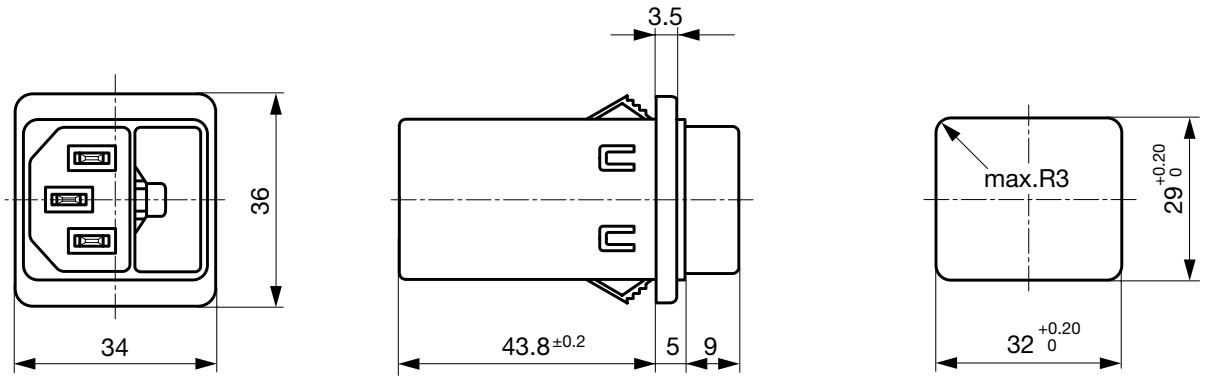
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Fuseholder	2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6 W (2-pole)
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 2'300'000 h acc. to MIL-HB-217 F

Dimension

Screw-on mounting type 5220



Snap-in mounting type 5220

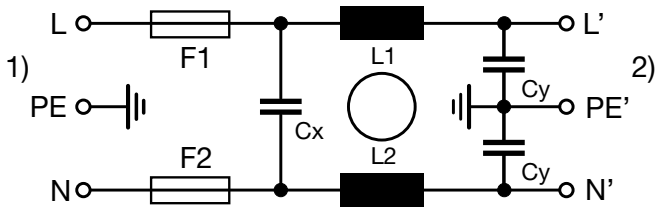


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
8	Standard Version	2 x 0.6	47	2.2	-
10	Standard Version	2 x 0.4	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
8	Medical Version (M5)	2 x 0.6	47	-	1
10	Medical Version (M5)	2 x 0.4	47	-	1
10	Standard and Medical Version	2 x 11	47	2.2	1

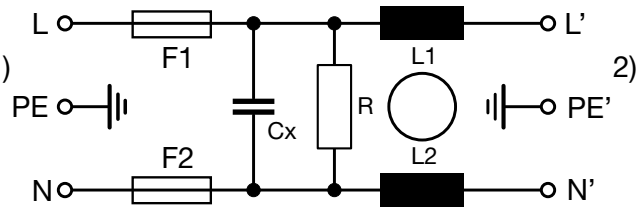
Diagrams

5220 Standard version



1) Line
2) Load

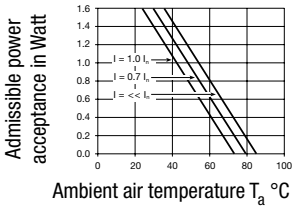
5220 Medical version



1) Line
2) Load

Derating Curves

2-pole

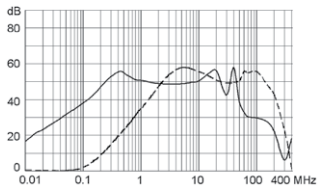


Attenuation Loss

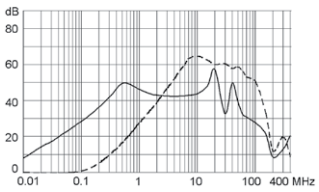
- - - - differential mode _____ common mode

Standard version

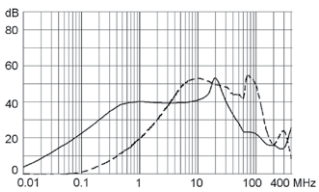
1 A



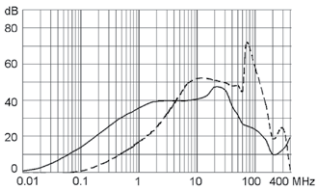
2 A



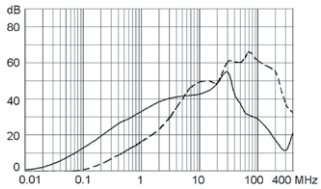
4 A



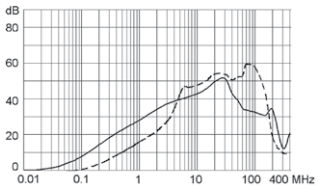
6 A



8 A

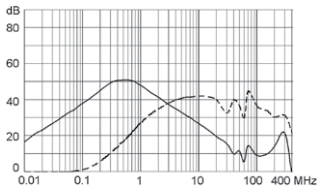


10 A

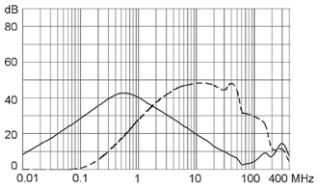


Medical version (M5)

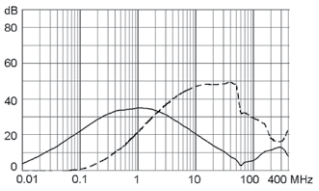
1 A



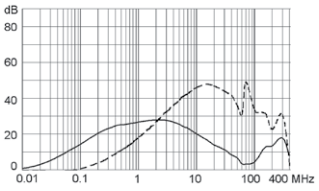
2 A



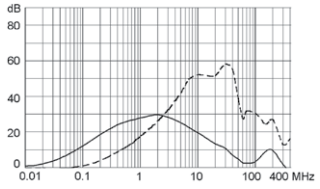
4 A



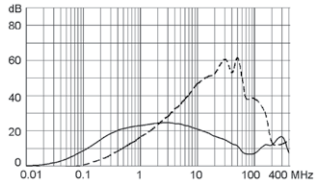
6 A



8 A



10 A



All Variants

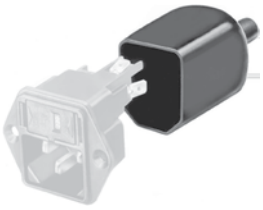
Rated Current [A]	Filter-Type	Panel mounting	Fuseholder	Order Number	
1	Standard Version	Snap-in	2-pole	5220.0143.1	▮
2	Standard Version	Snap-in	2-pole	5220.0243.1	▮
4	Standard Version	Snap-in	2-pole	5220.0443.1	
6	Standard Version	Snap-in	2-pole	5220.0643.1	▮
8	Standard Version	Snap-in	2-pole	5220.0843.1	
10	Standard Version	Snap-in	2-pole	5220.1043.1	▮
1	Standard Version	Screw	2-pole	5220.0123.1	
2	Standard Version	Screw	2-pole	5220.0223.1	▮
4	Standard Version	Screw	2-pole	5220.0423.1	▮
6	Standard Version	Screw	2-pole	5220.0623.1	▮
8	Standard Version	Screw	2-pole	5220.0823.1	▮
10	Standard Version	Screw	2-pole	5220.1023.1	▮
1	Medical Version (M5)	Snap-in	2-pole	5220.0143.3	
2	Medical Version (M5)	Snap-in	2-pole	5220.0243.3	▮
4	Medical Version (M5)	Snap-in	2-pole	5220.0443.3	▮
6	Medical Version (M5)	Snap-in	2-pole	5220.0643.3	▮
8	Medical Version (M5)	Snap-in	2-pole	5220.0843.3	
10	Medical Version (M5)	Snap-in	2-pole	5220.1043.3	▮
1	Medical Version (M5)	Screw	2-pole	5220.0123.3	
2	Medical Version (M5)	Screw	2-pole	5220.0223.3	▮
4	Medical Version (M5)	Screw	2-pole	5220.0423.3	▮
6	Medical Version (M5)	Screw	2-pole	5220.0623.3	▮
8	Medical Version (M5)	Screw	2-pole	5220.0823.3	
10	Medical Version (M5)	Screw	2-pole	5220.1023.3	▮

▮ Most Popular.

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit 10 Pcs

Accessories

	Description
	Assorted Covers Rear Cover
	Cord retaining kits Cord retaining strain relief

Mating Outlets/Connectors

	Category / Description	
	Appliance Outlet Overview complete	
	IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
	IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
	IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091
	Appliance Outlet further types to 5220	
	Connector Overview complete	
	IEC Connector C13, Rewireable, Straight	4782
	IEC Connector C13, Rewireable, Straight	4022
	IEC Connector C13, Rewireable, Angled	4785
	IEC Connector C13, Rewireable, Angled	4300-06
	IEC Connector C13, Rewireable, Angled	4012
	Connector further types to 5220	...

22.04.2015

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